

ENGINEERING CHANGE NOTICE
DART AEROSPACE LTD

Date:	20.07.06	Job No.:	N/A	ADR Yes/No:	N	ADR Date:	N/A	ECN#:	2020 576
Product No.:	647.1700	Created By:	MG	Approved By:					
Product Name:	135-21 Cable Cutter Kits	Checked By:							

Reason for Change:
Release new drawing revision for 647.1700

Documents Released:
Release drawing 647.1700 Rev. F and ECN 06486

IF APPLICABLE: NCR: _____ PAR: _____ CAR: _____ CIR: _____ URF: _____

PAPERWORK UPDATE ☐ PARTS MUST COMPLY ☒ PREVIOUS PARTS SATISFACTORY ☐

#	Quality Assurance / Customer Support Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Airbus	N			
3	Notify Leonardo	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	N			
6	Update Master Document List (MDL)	N			
7	Update Document Record (DR)	N			
8	Update Product Compatibility Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	N			
12	Update Product Specification Files (Bluefiles)	N			
13	Update Approved/Preliminary Dwg PDF Files	Y	MG		
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	MG		
17	Update / Verify Authorized Release Certificate Database	N			
18	Create / Update Change Record Form / Item Card Database	N			
19	Create / Update Packaging Process Plan (PPP)	N			
20	Red Decals required on Packaging Process Plan (PPP)?	N			
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	N			
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	N			
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

Description / Action:

29 x 647.1714 - R211169
19 x 647.1715 - R211172
20.07.08 647.1702 - 1x wip 5285275
1x sth 5282263
9x sth 5285564 (-2) w/o 200386 = 7

new work jobs issued 20.07.08

R211171

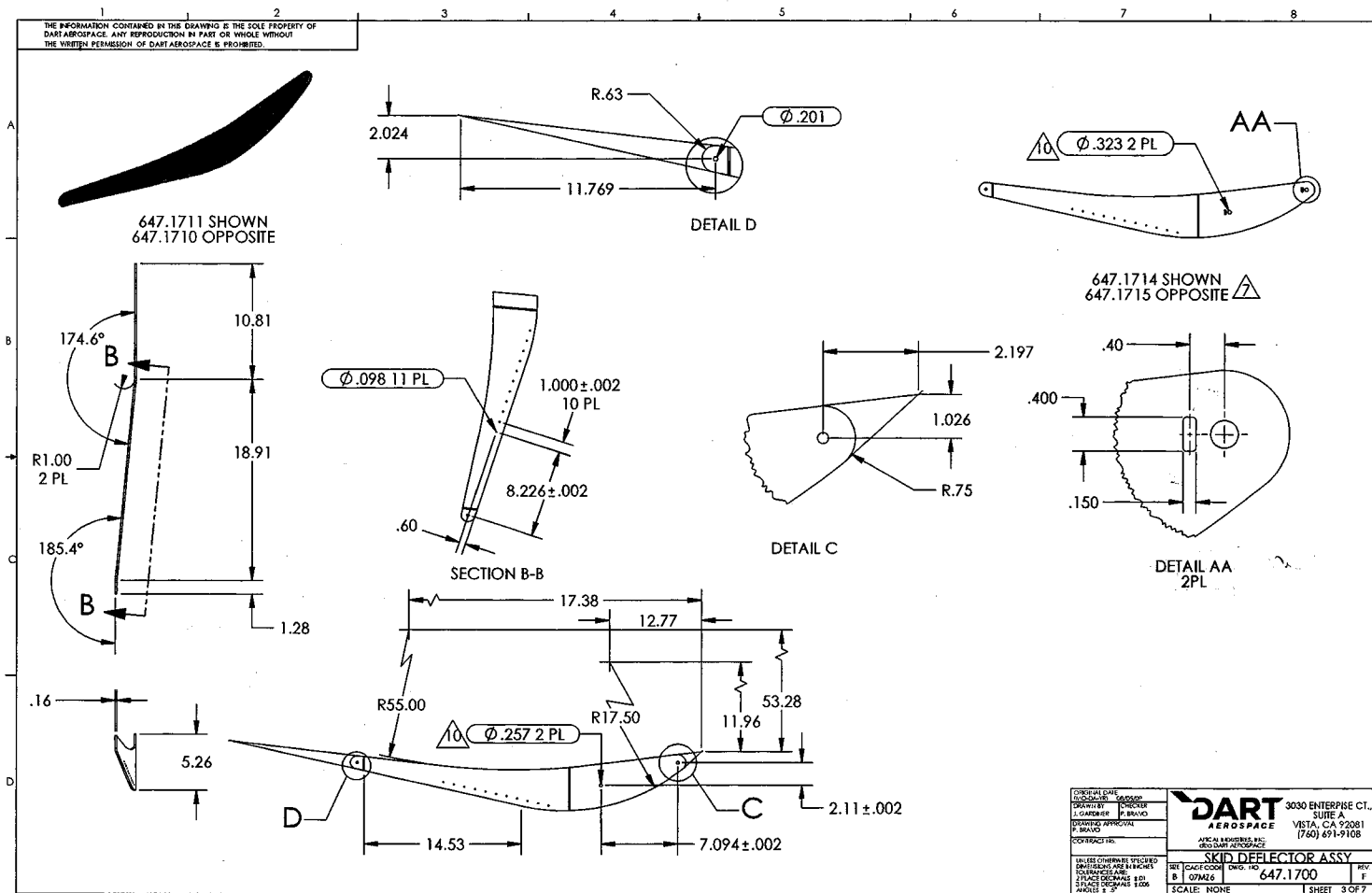
ECN Verified & Complete: _____ Date: _____

NOTES:

-
- 1 ASSEMBLY.
2 ASSEMBLY.
N'S 647.1714 & 647.1715
N'S 647.1710 & 647.1711
AND ASSEMBLY TYPICAL FOR ALL CONFIGURATIONS.
3 ASSEMBLY.
1 & 647.1702 ASSEMBLIES.
3 ASSEMBLY.

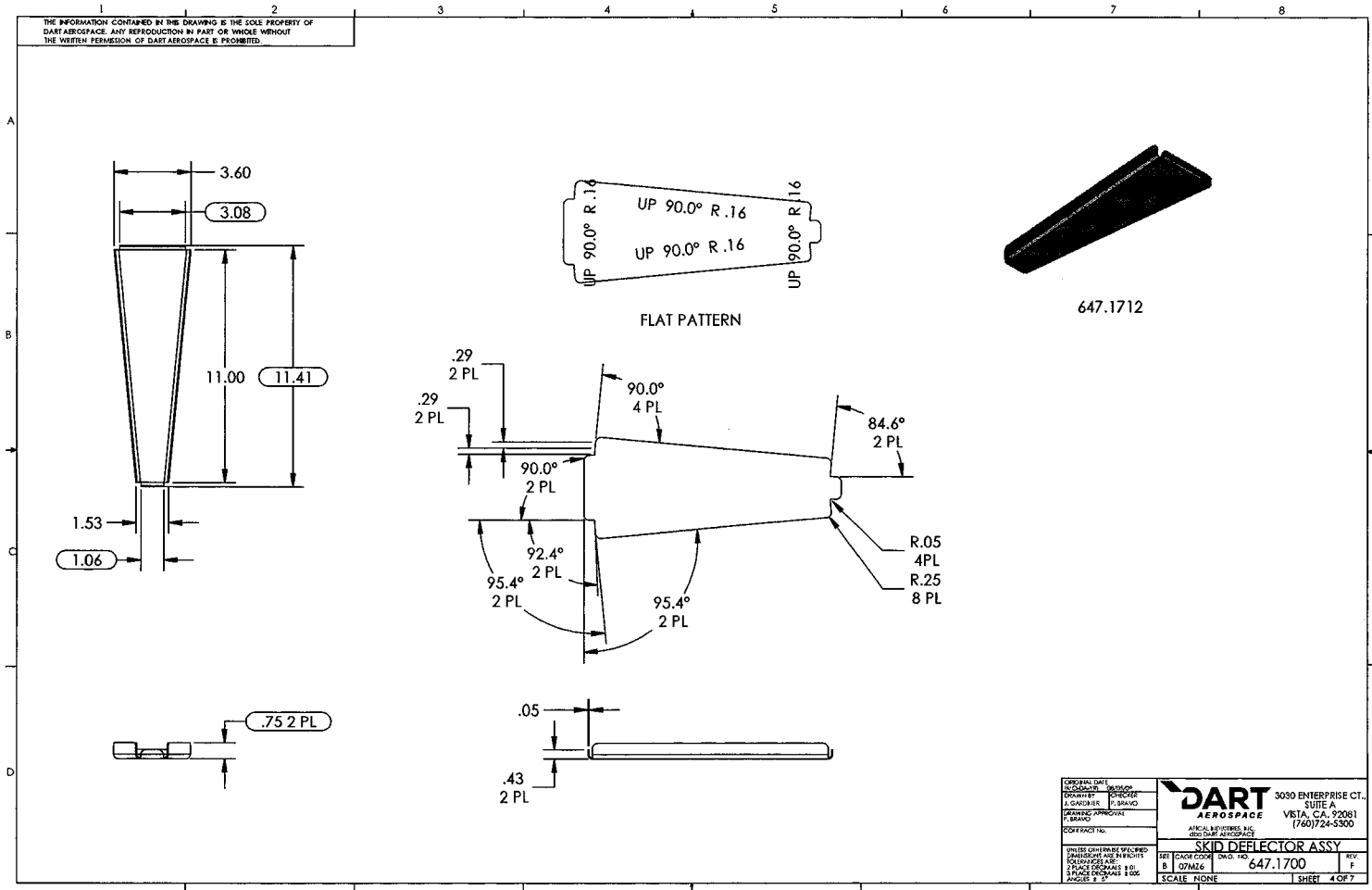
1			13	647.1718	GUSSET		△	△
			12	647.1717	PLATE		△	△
1			11	647.1716	PLATE		△	△
	1		10	647.1715	PLATE		△	△
	1		9	647.1714	PLATE		△	△
1	1	1	8	601.1622	SCREW	MS090911-14		
1	1	1	7	601.2943	LOCKNUT	MS090906		
2	2	2	6	601.1607	WASHER			
22	22	22	5	601.1915	RIVET	NAS1149F0332P		
			4	647.1713	SPACER	CR8213-4-4		
1	1	1	4	647.1713	SPACER		△	△
	1	1	3	647.1712	GUSSET		△	△
	1	1	2	647.1711	PLATE		△	△
		1	1	647.1710	PLATE		△	△
X				647.1703	SKID DEFLECTOR ASSY			
	X			647.1702	SKID DEFLECTOR ASSY			
		X		647.1701	SKID DEFLECTOR ASSY			
1703	1702	1701	END	PART	DESCRIPTION	AA171		SEP

[illegible]



= ON 647.1714 and 647.1715 machine out slots on detail AA (400x.150)
 = inspect per 647.1700 rev. F
 = touch up with alodine, and primer

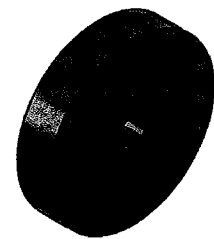
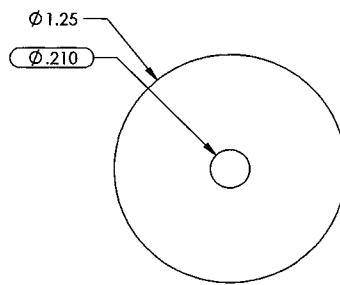
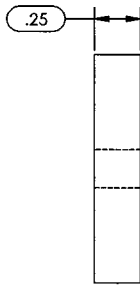
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ORIGINAL DATE		3030 ENTERPRISE CT.,	
REVISIONS		SUITE A	
DRAWN BY		VISTA, CA 92081	
CHECKED BY		(760)724-5300	
DESIGNED BY			
APPROVED BY			
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED		SKID DEFLECTOR ASSY	
DIMENSIONS ARE IN INCHES		647.1700	
TOLERANCES ARE:		SCALE: NONE	
2 PLACE DECIMALS ± .05		SHEET 4 OF 7	
3 PLACE DECIMALS ± .005			
ANGLES ± 5°			

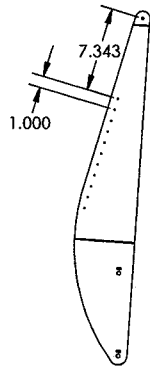
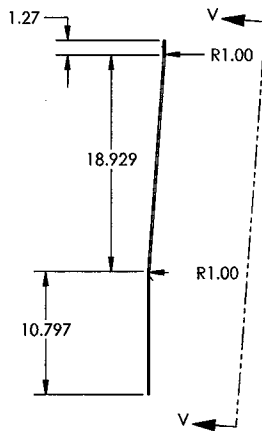
1 2 3 4 5 6 7 8

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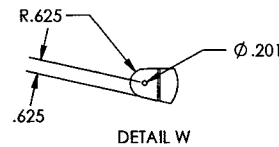


ORIGINAL DATE 10/15/78	DESIGNER J. GARCIA	3030 ENTERPRISE CT. SUITE A VISTA, CA 92081 (760)724-5300
DESIGNED BY J. GARCIA	CHECKED BY P. BRADY	
QUANTITY APPROVAL P. BRADY	APPROVAL P. BRADY	
DOWNGRADING NO.		
UNITS: DIMENSIONS IN INCHES DIMENSIONS ARE REVERSED DIMENSIONS ARE 3 PLACE DECIMALS IN IN DIMENSIONS IN INCHES 1/8"		
PART NAME SKID DEFLECTOR ASSY		
CAGE CODE 07N12		
DWG NO. 647.1700		
SCALE NONE		
REV. F		
SHEET 5 OF 7		

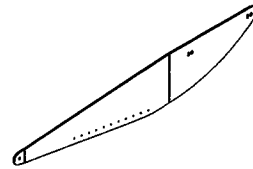
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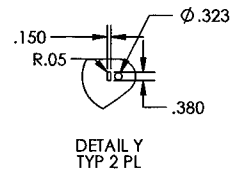
VIEW V-V



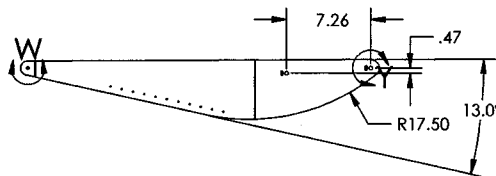
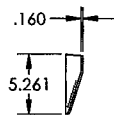
DETAIL W



647.1716 SHOWN
647.1717 OPPOSITE



DETAIL Y
TYP 2 PL



DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA 91081 (760) 724-5300	
SKID DEFLECTOR ASSY 647.1700	
DESIGNED BY: [] DRAWN BY: [] CHECKED BY: [] APPROVED BY: [] DATE: []	REV: [] SCALE: NONE SHEET: 6 OF 7

1 2 3 4 5 6 7 8

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A

B

C

D

2.60

2.08

11.41

11.00

1.04

.58

.75

.38

94.1°

91.8°

90.0°

90.0°

86.0°

R.16

R.05

R.25

2 PL

4 PL

8 PL

.05

.43

647.1718

ORIGINAL DATE	DISCOWASH	01/02/00
DRAWN BY	ENGINEER	P. B. B. B. B.
DESIGNED BY	DESIGNED BY	P. B. B. B. B.
DESIGNED APPROVAL	DESIGNED APPROVAL	P. B. B. B. B.
CONTRACT NO.	CONTRACT NO.	P. B. B. B. B.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS
FRACTIONS DECIMALS
FRACTIONS DECIMALS
FRACTIONS DECIMALS

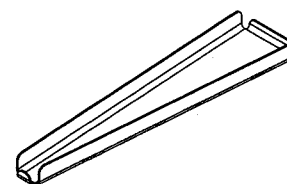
SCALE: NONE

SHEET 7 OF 7

DART AEROSPACE 3030 ENTERPRISE CIRCLE SUITE A VISTA CA, 92081 (760)724-5300

SKID DEFLECTOR ASSY

647.1700



647.1718

ORIGINAL DATE 11-20-92	PLANS NO. 000000		3030 ENTERPRISE CT SUITE A VISTA CA, 92081 (760)724-5300
DRAWN BY S. WISE	CHECKED S. WISE		
DESIGNED BY P. BRADY	APPROVED P. BRADY		APICAL BROTHERS, INC. VISTA CA, APPROXIMATE
DATE 11-20-92	CONTRACT NO.		
OTHER ORIGINATOR (SPECIFIC DIMENSIONS ARE IN INCHES) TOLERANCES ARE: 1/16" DECIMALS 2" SPACES DECIMALS .005 FINISH:			
SET B 07/26/96		DWG. NO. 647.1700	REV 7 OF 7
SCALE: NONE			



APICAL INDUSTRIES, INC.
dba DART AEROSPACE

TRANSACTION CODES (TC):
A-ADD
R-REVISE
C-CREATE
D-DELETE

ENGINEERING CHANGE NOTICE NO.

06486

SHEET 1 OF 1

DWG NO. 647.1700

REV: E to F

PREPARED BY J. BECKER

DATE: 06-03-20

ECR: 20-110

DWG TITLE: SKID DEFLECTOR ASSY

APPROVED BY:

ENGR

[Signature]

CASE NUMBER:

N/A

EFF.

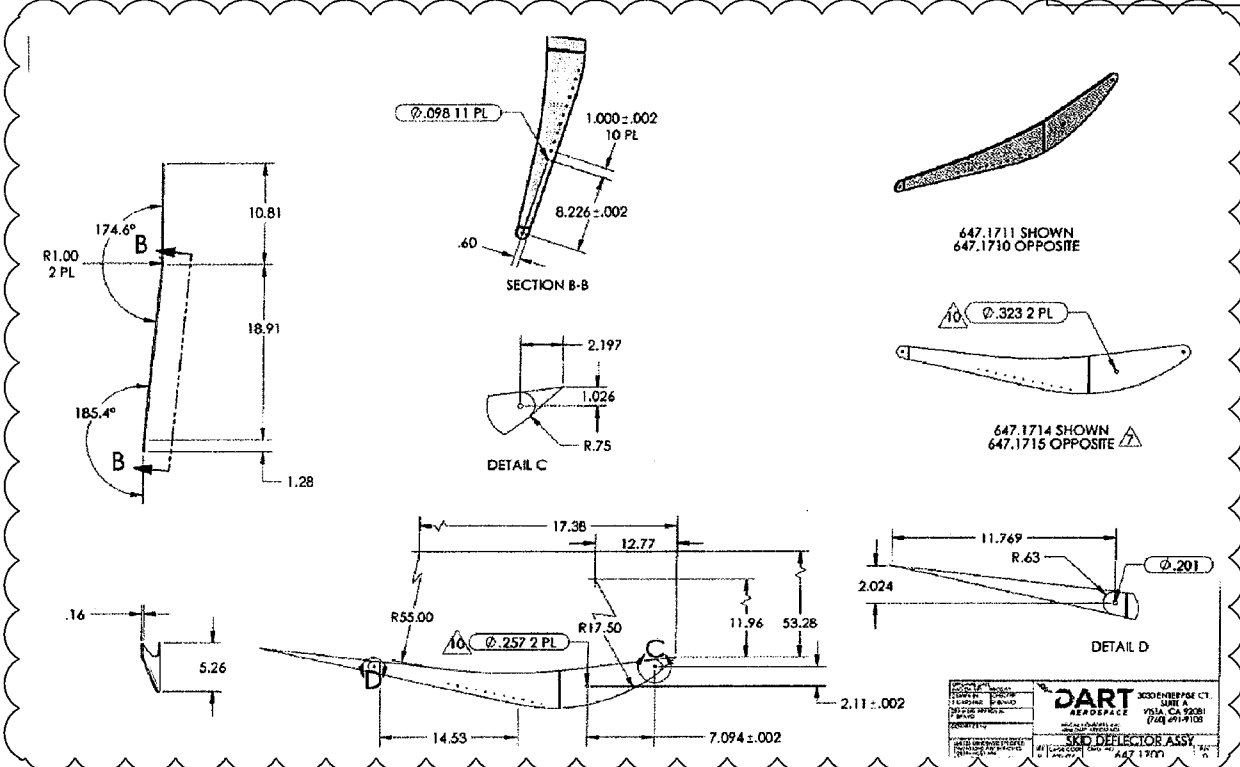
CURRENT ORDER AND STOCK

REASON: REVISED P/N 647.1714 & 647.1715 TO INCLUDE SLOT FOR TAB LOCKWASHER

SHEET 3 WAS:

REASON CODE:
DE

ACTION LIST:
1. UPDATE STEP FILES.
2. UPDATE OPEN
ORDERS TO REFER TO
LATEST REVISION.



DOCUMENTS EFFECTED:

☐ PATTERN ☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☐ BOM

CHANGE CATEGORY

☐ MAJOR ☒ MINOR

DER REVIEW REQUIRED

☐ YES ☒ NO